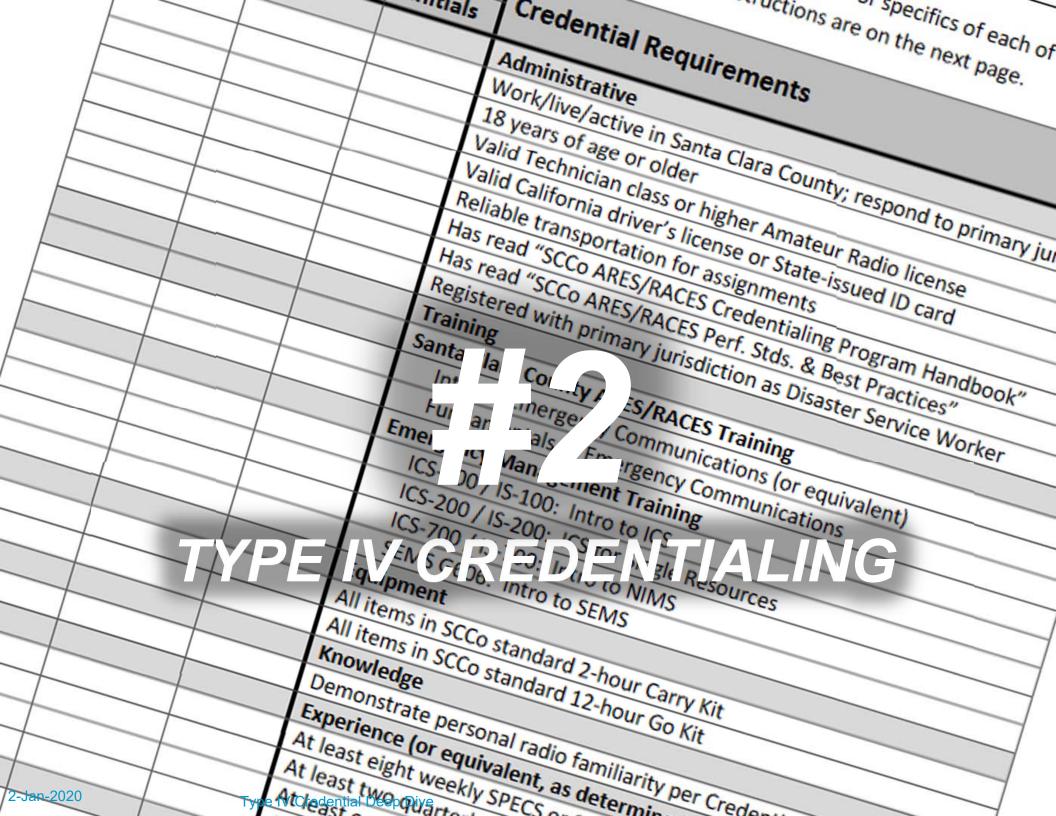# Type IV Credential Deep Dive

2 January 2020
Jim Oberhofer KN6PE

CARES mission

The mission of Cupertino ARES is to maintain and train Amateur Radio volunteers capable of providing professional emergency communications, increasing the City's emergency response effectiveness, and speeding the recovery effort.

specifics of each of
...ctions are on the next page.

Credential Requirements

Administrative
Work/live/active in Santa Clara County; respond to primary jur...
18 years of age or older
Valid Technician class or higher Amateur Radio license
Valid California driver's license or State-issued ID card
Reliable transportation for assignments
Has read "SCCo ARES/RACES Credentialing Program Handbook"
Has read "SCCo ARES/RACES Perf. Stds. & Best Practices"
Registered with primary jurisdiction as Disaster Service Worker

Training
Santa Clara County ARES/RACES Training
Int... Emergency Communications
Fu... als ... Emergency Communications (or equivalent)

Emergency Management Training
ICS-100 / IS-100: Intro to ICS
ICS-200 / IS-200: ICS ... Single Resources
ICS-700 / IS-700: ... to NIMS
SEMS / IS-D6: Intro to SEMS

Equipment
All items in SCCo standard 2-hour Carry Kit
All items in SCCo standard 12-hour Go Kit

Knowledge
Demonstrate personal radio familiarity per Creden...

Experience (or equivalent, as determin...
At least eight weekly SPECS o...
At least two ... quarter...

#2
TYPE IV CREDENTIALING

Credentialing
What FEMA says

Credentialing, Training, and Exercising

1. Ensures personnel are qualified, <u>trained</u>, and exercised <u>to common standards</u> that provide a foundation for the <u>interoperability and compatibility</u> of resources.

2. The credentialing process involves an objective evaluation and documentation of an individual's:

    1. Current certification, license, or degree;
    2. Training and experience; and
    3. Competence or proficiency.

Cupertino ARES/RACES

Credentialing
What SCC RACES is doing

1. Credentialing in technical fields (usually called certification) has been used for 20+ years to verify an individual's ability.

2. Credentialing is becoming more prevalent in Emergency Management, especially where interoperability and compatibility (mutual aid) are needed.

3. The State of California has a credentialing program for EOC positions at local, OA, and State levels.

4. Served agencies are increasingly aware of credentialing and are expecting to build credentialed teams.

5. We can better support our served agencies by expanding our credentialing program to all operators (not just MACs).

6. SCCo ARES/RACES has had a credentialing program for Mutual Aid Communicators since 2009.

7. Cupertino ARES/RACES needs to leverage this program to enhance our overall readiness.

Credentialing
SCC RACES Goals

- Provide opportunities for everyone to earn credentials
  - No need to take an assignment outside one's home city

- Expand number of credentialed operators who can respond to a given location
  - In-city operators plus MACs

- Use proven (10 years) methods from the MAC program to identify qualified people

- Make it easier to predefine requirements for any assignment
  - Served agencies know what to ask for

- Reassure served agencies of assigned operator's capabilities

- Maintain consistency and integrity of credentials

Cupertino ARES/RACES

Resource Typing
What FEMA says

Resource Typing

1. Resource typing defines and categorizes, by capability, the resources requested, deployed and used in incidents.

2. Assigning a standardized typing designation to each resource that allows Incident Commanders to request and deploy resources.

3. Example …

Resource: Hydraulic Excavator (Compact–Short Radius 1.75 cy to 0.61 cy Buckets)
Category: ESF #3: Public Works and Engineering
Kind: Equipment

	Type I	Type II	Type III	Type IV	Other
Manufacturer	**Model**	**Model**	**Model**	**Model**	**Model**
Bobcat	442		430		
Hitachi			ZX27U		
John Deere				27C ZTS	
Kobelco	245SRLC, 200SRLC, 135SRLC, ED150, 115SRDZ, 70SR	50SR-3, 35SR-3, 30SR-3	27SR-3	13SR	

Cupertino ARES/RACES

Resource Typing
Comparison of SCC RACES Capabilities

	Type V	Type IV	Type III	Type II
Equipped for up to 12 Hr shift	Unknown	Yes	Eval	Eval
Respond anywhere in jurisdiction	Unknown	Yes	Eval	Eval
Basic Net Usage Procedures	Unknown	Yes	Eval	Eval
Simple Damage/status reports	Unknown	Yes	Eval	Eval
Handle low traffic levels	Unknown	Yes	Eval	Eval
3rd Party Traffic	Unknown	Unknown	Eval	Eval
Low-to-medium traffic levels	Unknown	Unknown	Eval	Eval
Manage problems	Unknown	Unknown	Eval	Eval
Equipped w/ mobile radio, ant	Unknown	Unknown	Unknown	Eval
Two Nets, Cross band	Unknown	Unknown	Unknown	Eval
Medium-to-high traffic levels	Unknown	Unknown	Unknown	Eval

Cupertino ARES/RACES

Resource Typing
Comparison of Assignments by Types

	Type V	Type IV	Type III	Type II
Basic Net Usage, Status Reports • Parades, festivals, races • Checkpoints, flood watch • Damage surveys • CERT team support (simple rprts)	Unknown	Yes	Eval	Eval
3rd Party Traffic (Low/Med) • CERT team support (complex rpts) • Schools, shelters • Jurisdiction EOC (smaller) • Hospitals • Allied health facilities • Fire stations	Unknown	Unknown	Eval	Eval
3rd Party Traffic (Med/High), 2 nets • Med Health Joint Ops Ctr (MHJOC) • Jurisdiction EOC (larger) • County EOC	Unknown	Unknown	Unknown	Eval

Cupertino ARES/RACES

Why is this important?
What CAL OES says

Its all about the money… if you get hurt

1. Disaster Service Worker volunteers are entitled to (i) workers' compensation benefits and (ii) limited immunity from liability when acting in the course of their disaster service duties.

2. Eligible for disaster service means:

   1. Registered with ADC
   2. Activities performed to mitigate an imminent threat of extreme peril to life, property and resources
   3. Supervised
   4. Received training necessary to engage in such activities

3. Credentialing ensures that we meet an accepted standard and are able to perform specific tasks under specific conditions.

Cupertino ARES/RACES

What is a Type IV Operator
Type IV Credentialing

- A Type IV credential level indicates basic operating capabilities. It is not role specific.

- The Type IV operator has the basic skills, standard equipment, and a moderate amount of experience, all of which enables him/her to operate safely in an assignment, perhaps with coaching.

- Typical assignments include basic information gathering and status reporting or supporting a more experienced operator.

Cupertino ARES/RACES

Getting to Type IV
Type IV Credentialing

SCCo RACES Credential Record — Type IV Communicator

Name: _____ Call Sign: _____ Jurisdiction: _____

All activities must be performed according to the Performance Standards. For specifics of each of these requirements, consult the Credentialing Program Handbook. Instructions are on the next page.

Radio Officer or Designee			Credential Requirements (completed within the last two years)
Date	Call Sign	Initials	
			Administrative
			Work/live/active in Santa Clara County; respond to primary jurisdiction
			18 years of age or older
			Valid Technician class or higher Amateur Radio license
			Valid California driver's license or State-issued ID card
			Reliable transportation for assignments
			Has read "SCCo ARES/RACES Credentialing Program Handbook"
			Has read "SCCo ARES/RACES Perf. Stds. & Best Practices"
			Registered with primary jurisdiction as Disaster Service Worker
			Training
			Santa Clara County ARES/RACES Training
			Intro to Emergency Communications (or equivalent)
			Fundamentals of Emergency Communications*
			Emergency Management Training*
			ICS-100 / IS-100: Intro to ICS
			ICS-200 / IS-200: ICS for Single Resources
			ICS-700 / IS-700: Intro to NIMS
			SEMS G606: Intro to SEMS
			Equipment
			All items in SCCo standard 2-hour Carry Kit
			All items in SCCo standard 12-hour Go Kit
			Knowledge
			Demonstrate personal radio familiarity per Credential handbook
			Participation (or equivalent, as determined by local jurisdiction RO)
			Min 8: Check into weekly city net
			Min 8: Monitor weekly SPECs or SVECS net
			Min 2: Radio oper duty at quarterly drills
			Min 1: Radio oper duty at approved functional or full-scale exercise
			Min 1: Radio oper duty at approved public service event or incident
			Performance
			Functioned effectively & professionally with served agency
			Has maturity and experience to perform according to "SCCo ARES/RACES Performance Standards and Best Practices"
			Ongoing Participation
			Agree to minimum training and participation requirements

Notes:
*See the Credentialing Program Handbook for exceptions to training class completion within the past two years.

Santa Clara County ARES®/RACES Go Kit Checklists   Revised: 03-Jun-2018

Legend:
X = Required (must have in kit at all times)
R = Recommended (likely useful on many assignments)
O = Optional (useful on some assignments)

2-Hour Carry Kit
Purpose: To be kept nearby at all times for immediate (within minutes) communication of damage reports during Resource Net Level 1 ops. Also used to remain in contact with Resource Net Level 2 while returning home to retrieve 12-hour Go-Kit.

Items:
- X 2m/70cm dual-band radio
  - HT recommended (min. 5W on 12V/2.5W on batt)
  - Mobile 25W optional (if vehicle will not be far away)
  - Programmed with Resource Net frequencies
- X Charged batteries for 2-3 hours operation
- X 2m/70cm dual-band mobile antenna (mag mount, window mount or existing mobile antenna)
- X Current SCCo Voice Frequency List
- X Modified Mercalli (Mike-Mike) scale
- X Notepad / pens
- R Cigarette lighter adapter
- R Emergency county and city telephone contact list
- R Cell phone
- R Water (16 oz.)

12-Hour Go Kit
Purpose: For fully independent operation; unknown environment (heat, cold, wind, rain); unknown time (day, night, up to 12 hours). Return home to retrieve.

Equipment
Portable Radio Equipment:
- X 2m/70cm dual-band handie-talkie (HT)
  - Minimum 5W on 12V/2.5W on batteries [Note 1]
  - Dual-receive recommended
- X Radio user manual or cheat sheet
- X Earbud or headphones minimum; headset, earbud/mic, or speaker/mic/earbud, or similar recommended
- X Charged batteries for 12 hours (min. 3000 mAh) [Note 2]
- X Power cord adapters – connect HT to power sources:
  - Powerpoles
  - Cigarette lighter socket
  - Vehicle battery terminals
- X Spare fuses
- X Coax adapter: connect HT to coax
- X Min. 25 feet of 50 Ohm coaxial cable

Santa Clara County ARES®/RACES   Page 1 of 4

- R Small backpack, vest, chest harness or other similar method for carrying HT while operating portable

Mobile or Stationary Radio Equipment:
- R 2m/70cm mobile radio (separate/removable from vehicle)
  - 25W minimum
  - Dual-receive, cross-band repeat
- R Radio user manual or cheat sheet
- R Headset (stereo recommended for VFO per ear) w/ inline, handswitch or footswitch PTT
- R Battery for 12-hours operation (20 Ah min.; 26 Ah rec.)
- R Power cord adapters – connect mobile to power sources:
  - Powerpoles
  - Cigarette lighter socket
  - Vehicle battery terminals
- R Powerpole splitter or fused distribution panel
- R Spare fuses
- R Coax adapter: connect mobile radio to coax
- R Min. 25 add'l feet of 50 Ohm coaxial cable w/barrel conn.
- R Extension cord, 3-wire, 3-6 ft., multi-outlet
- O Extension cord, 3-wire, 50-100 ft.

Antennas:
- X Coax adapters: connect coax to existing antenna jack:
  - BNC plug (male) & BNC socket (female)
  - UHF plug (PL-259) & UHF socket (SO-239)
  - N-type plug (male) and N-type socket (female)
- X 2m/70cm dual-band magnetic or window mount antenna
- R 2m/70cm high gain HT antenna
- R 2m/70cm dual-band portable base antenna (e.g. roll-up J-pole or other)
- R Portable mast (elevates antenna base min. 10 ft.)
- R Tripod or other self-supporting base for mast
- R Window clip antenna mount (for non-metallic vehicles)

Packet Equipment:
- O Laptop with Outpost and PacFORMS installed
- O USB flash drive (i.e. USB key)
- O TNC (may be hardware, software or built into radio)
- O Cables: TNC to radio; TNC to PC
- O Shade cover for display
- O Portable printer
- O Entire station can operate for min. 1 hr on battery

Other Communications Gear:
- R Cell phone & charger and/or cigarette lighter adapt.
- O FRS/GMRS Radio
- O Satellite phone

Tools:
- R Duct tape
- R Electrical tape
- R Nylon Tie-Wraps/wire ties
- R Utility knife
- R Small multi-tool or tool kit

Santa Clara County ARES®/RACES   Page 2 of 4

Santa Clara County ARES®/RACES   Page 3 of 4

Cupertino ARES/RACES

Getting to Type IV
Type IV Credentialing

Meet a set of well-defined requirements:

1. Administrative
2. Training
3. Equipment
4. Knowledge
5. Participation
6. Performance
7. On-going participation

Local jurisdictions may have additional requirements and make the Type IV Credential a part of their overall requirements.

SCCo RACES Credential Record — **Type IV Communicator**

Name: _____ Call Sign: _____ Jurisdiction: _____

All activities must be performed according to the Performance Standards. For specifics of each of these requirements, consult the Credentialing Program Handbook. Instructions are on the next page.

Radio Officer or Designee			Credential Requirements (completed within the last two years)
Date	Call Sign	Initials	
			Administrative
			Work/live/active in Santa Clara County; respond to primary jurisdiction
			18 years of age or older
			Valid Technician class or higher Amateur Radio license
			Valid California driver's license or State-issued ID card
			Reliable transportation for assignments
			Has read "SCCo ARES/RACES Credentialing Program Handbook"
			Has read "SCCo ARES/RACES Perf. Stds. & Best Practices"
			Registered with primary jurisdiction as Disaster Service Worker
			Training
			Santa Clara County ARES/RACES Training
			Intro to Emergency Communications (or equivalent)
			Fundamentals of Emergency Communications*
			Emergency Management Training*
			ICS-100 / IS-100: Intro to ICS
			ICS-200 / IS-200: ICS for Single Resources
			ICS-700 / IS-700: Intro to NIMS
			SEMS G606: Intro to SEMS
			Equipment
			All items in SCCo standard 2-hour Carry Kit
			All items in SCCo standard 12-hour Go Kit
			Knowledge
			Demonstrate personal radio familiarity per Credential handbook
			Participation (or equivalent, as determined by local jurisdiction RO)
			Min 8: Check into weekly city net
			Min 8: Monitor weekly SPECs or SVECS net
			Min 2: Radio oper duty at quarterly drills
			Min 1: Radio oper duty at approved functional or full-scale exercise
			Min 1: Radio oper duty at approved public service event or incident
			Performance
			Functioned effectively & professionally with served agency
			Has maturity and experience to perform according to "SCCo ARES/RACES Performance Standards and Best Practices"
			Ongoing Participation
			Agree to minimum training and participation requirements

Notes:

*See the Credentialing Program Handbook for exceptions to training class completion within the past two years.

1. Administrative
Type IV Credentialing

Radio Officer			Credential Requirements
Date	Call Sign	Initials	
			Administrative
			Work/live in Santa Clara County; respond to primary jurisdiction
			18 years of age or older
			Valid Technician class or higher Amateur Radio license
			Valid California driver's license or State-issued ID card
			Reliable transportation for assignments
			Has read "SCCo ARES/RACES Credentialing Program Handbook"
			Has read "SCCo ARES/RACES Perf. Stds. & Best Practices"
			Registered with primary jurisdiction as Disaster Service Worker

Where to find them

https://www.scc-ares-races.org > Operations > Programs > Credentials

https://www.scc-ares-races.org > Operations > Standards > General

Cupertino ARES/RACES

2. Training
Type IV Credentialing

Radio Officer			Credential Requirements		
Date	Call Sign	Initials			
			Training		
			Santa Clara County ARES/RACES Training		
			Intro to Emergency Communications (or equivalent)		
			Fundamentals of Emergency Communications		
			Emergency Management Training		
			ICS-100 / IS-100: Intro to ICS		
			ICS-200 / IS-200: ICS for Single Resources		
			ICS-700 / IS-700: Intro to NIMS		
			SEMS G606: Intro to SEMS		

Where to find them

1. Fundamentals Class… Saturday, March 14… in Cupertino!

2. ICS-100: https://training.fema.gov/is/courseoverview.aspx?code=IS-100.c

3. ICS-200: https://training.fema.gov/is/courseoverview.aspx?code=IS-200.c

4. ICS-700: https://training.fema.gov/is/courseoverview.aspx?code=IS-700.b

5. SEMS-G606: https://csti-ca.csod.com/catalog/CustomPage.aspx?id=20000553&tab_page_id=20000553&tab_id=20000590

Cupertino ARES/RACES

3, 4. Equipment, Knowledge
Type IV Credentialing

Radio Officer			Credential Requirements
Date	Call Sign	Initials	
			Equipment
			2-hour Carry Kit
			12-hour Go Kit
			Knowledge
			Demonstrate personal radio familiarity per Credential handbook

3. Equipment
Getting to the Go Kit

1. Over 120 items on the SCC RACES Go Kit list

2. Only 41 are REQUIRED!

3. Most of them you probably already have

4. Note the Legend:
   - X – Required
   - R – Recommended
   - O - Optional

Santa Clara County ARES®/RACES Go Kit Checklists   Revised: 03-Jun-2018

Legend:
X = Required (must have in kit at all times)
R = Recommended (likely useful on many assignments)
O = Optional (useful on some assignments)

2-Hour Carry Kit

Purpose: To be kept nearby at all times for immediate (within minutes) communication of damage reports during Resource Net Level 1 ops. Also used to remain in contact with Resource Net Level 2 while returning home to retrieve 12-hour Go-Kit.

Items:
- X 2m/70cm dual-band radio
  - HT recommended (min. 5W on 12V/2.5W on batt)
  - Mobile 25W optional (if vehicle will not be far away)
  - Programmed with Resource Net frequencies
- X Charged batteries for 2-3 hours operation
- X 2m/70cm dual-band mobile antenna (mag mount, window mount or existing mobile antenna)
- X Current SCCo Voice Frequency List
- X Modified Mercalli (Mike-Mike) scale
- X Notepad / pens
- R Cigarette lighter adapter
- R Emergency county and city telephone contact list
- R Cell phone
- R Water (16 oz.)

12-Hour Go Kit

Purpose: For fully independent operation; unknown environment (heat, cold, wind, rain); unknown time (day, night, up to 12 hours). Return home to retrieve.

Equipment
Portable Radio Equipment:
- X 2m/70cm dual-band handie-talkie (HT)
  - Minimum 5W on 12V/2.5W on batteries [Note 1]
  - Dual-receive recommended
- X Radio user manual or cheat sheet
- X Earbud or headphones minimum; headset, earbud/mic, or speaker/mic/earbud, or similar recommended
- X Charged batteries for 12 hours (min. 3000 mAh) [Note 2]
- X Power cord adapters – connect HT to power sources:
  - Powerpoles
  - Cigarette lighter socket
  - Vehicle battery terminals
- X Spare fuses
- X Coax adapter: connect HT to coax
- X Min. 25 feet of 50 Ohm coaxial cable

Santa Clara County ARES®/RACES   Page 1 of 4

- R Small backpack, vest, chest harness or other similar method for carrying HT while operating portable

Mobile or Stationary Radio Equipment:
- R 2m/70cm mobile radio (separate/removable from vehicle)
  - 25W minimum
  - Dual-receive, cross-band repeat
- R Radio user manual or cheat sheet
- R Headset (stereo recommended for VFO per ear) w/ inline, handswitch or footswitch PTT
- R Battery for 12-hours operation (20 Ah min.; 26 Ah rec.)
- R Power cord adapters – connect mobile to power sources:
  - Powerpoles
  - Cigarette lighter socket
  - Vehicle battery terminals
- R Powerpole splitter or fused distribution panel
- R Spare fuses
- R Coax adapter: connect mobile radio to coax
- R Min. 25 add'l feet of 50 Ohm coaxial cable w/barrel conn.
- R Extension cord, 3-wire, 3-6 ft., multi-outlet
- O Extension cord, 3-wire, 50-100 ft.

Antennas:
- X Coax adapters: connect coax to existing antenna jack:
  - BNC plug (male) & BNC socket (female)
  - UHF plug (PL-259) & UHF socket (SO-239)
  - N-type plug (male) and N-type socket (female)
- X 2m/70cm dual-band magnetic or window mount antenna
- R 2m/70cm high gain HT antenna
- R 2m/70cm dual-band portable base antenna (e.g. roll-up J-pole or other)
- R Portable mast (elevates antenna base min. 10 ft.)
- R Tripod or other self-supporting base for mast
- R Window clip antenna mount (for non-metallic vehicles)

Packet Equipment:
- O Laptop with Outpost and PacFORMS installed
- O USB flash drive (i.e. USB key)
- O TNC (may be hardware, software or built into radio)
- O Cables: TNC to radio; TNC to PC
- O Shade cover for display
- O Portable printer
- O Entire station can operate for min. 1 hr on battery

Other Communications Gear:
- R Cell phone & charger and/or cigarette lighter adapt.
- O FRS/GMRS Radio
- O Satellite phone

Tools:
- R Duct tape
- R Electrical tape
- R Nylon Tie-Wraps/wire ties
- R Utility knife
- R Small multi-tool or tool kit

3. Equipment
Getting to the Go Kit

1. One approach – think modular

Category	Description
⊟ Antennas	⊟ 2m/70cm dual-band magnetic or window mount antenna
	⊟ Coax adapters: connect coax to existing antenna jack
⊟ Clothing	⊟ Hat (broad brim recommended)
	⊟ Long pants (no shorts)
	⊟ Seasonal jacket / rain gear
	⊟ Sturdy, closed-toe shoes (no sandals)
⊟ Contact Lists	⊟ DEC/ADEC and city EC telephone contact list
	⊟ Police/Fire direct dial phone numbers
	⊟ SCCo Voice and Packet Frequency Lists
⊟ Documentation > ID	⊟ Amateur Radio license
	⊟ CA Driver's license or CA-issued ID card
	⊟ County Emergency Responder ID card or MAC badge
	⊟ If issued: SCCo ID badge, city badge, MAC Qual card
⊟ Documentation > Maps	⊟ Compass or GPS
	⊟ Paper or offline maps covering all Santa Clara Co. [Note 3]
⊟ Food & Water	⊟ Food for 12 hours (make your own list)
	⊟ Water for 12 hours (3-4 quarts recommended)
⊟ Forms and Docs	⊟ ICS 205-SCCo – Communications Plan (min. 5)
	⊟ ICS 211A-SCCo – Communications Check-In (min. 5)
	⊟ ICS 213-SCCo – Message (min. 10)
	⊟ ICS 214-SCCo – Unit Activity Log (min. 5)
	⊟ ICS 309-SCCo – Communications Log (min. 5)
	⊟ ICS 314-SCCo – Windshield Survey (min. 5)
	⊟ Modified Mercalli (Mike-Mike) scale
	⊟ Phone message pad (2-part style recommended)
⊟ General Items	⊟ Money (paper and coin) – in case ATMs are down
	⊟ Watch or clock
⊟ Logging & Note Taking	⊟ At least 2 pens / pencils
	⊟ Clipboard (covered type recommended)
	⊟ Notepads (standard or waterproof)
⊟ Operating Position	⊟ Sign(s) for operating position
⊟ Personal Safety Gear	⊟ Flashlight or headlamp and spare batteries for 12 hours
	⊟ Safety vest, ANSI Class 2, safety yellow/lime yellow
⊟ Portable Radio Eqt	⊟ 2m/70cm dual-band handie-talkie (HT)
	⊟ Charged batteries for 12 hours (min. 3000 mAh) [Note 2]
	⊟ Coax adapter: connect HT to coax
	⊟ Earbud or speaker/mic/earbud
	⊟ Min. 25 feet of 50 Ohm coaxial cable
	⊟ Power cord adapters – connect HT to power sources
	⊟ Radio user manual or cheat sheet
	⊟ Spare fuses

3. Equipment
Getting to the Go Kit

1. One approach – think modular

2. Where are they when not in use?

Loc #1 ▾	Description ▾
⊟ Car	⊟ County Emergency Responder ID card or MAC badge
	⊟ Hat (broad brim recommended)
	⊟ If issued: SCCo ID badge, city badge, MAC Qual card
⊟ CarryBag	⊟ 2m/70cm dual-band handie-talkie (HT)
	⊟ At least 2 pens / pencils
	⊟ Clipboard (covered type recommended)
	⊟ DEC/ADEC and city EC telephone contact list
	⊟ ICS 205-SCCo – Communications Plan (min. 5)
	⊟ ICS 211A-SCCo – Communications Check-In (min. 5)
	⊟ ICS 213-SCCo – Message (min. 10)
	⊟ ICS 214-SCCo – Unit Activity Log (min. 5)
	⊟ ICS 309-SCCo – Communications Log (min. 5)
	⊟ ICS 314-SCCo – Windshield Survey (min. 5)
	⊟ Modified Mercalli (Mike-Mike) scale
	⊟ Money (paper and coin) – in case ATMs are down
	⊟ Notepads (standard or waterproof)
	⊟ Phone message pad (2-part style recommended)
	⊟ Police/Fire direct dial phone numbers
	⊟ SCCo Voice and Packet Frequency Lists
	⊟ Sign(s) for operating position
	⊟ Watch or clock
⊟ Garage	⊟ Sturdy, closed-toe shoes (no sandals)
⊟ House	⊟ Food for 12 hours (make your own list)
	⊟ Long pants (no shorts)
	⊟ Seasonal jacket / rain gear
	⊟ Water for 12 hours (3-4 quarts recommended)
⊟ Iphone	⊟ Compass or GPS
	⊟ Paper or offline maps covering all Santa Clara Co. [Note 3]
⊟ KnapSack	⊟ 2m/70cm dual-band magnetic or window mount antenna
	⊟ Charged batteries for 12 hours (min. 3000 mAh) [Note 2]
	⊟ Coax adapter: connect HT to coax
	⊟ Coax adapters: connect coax to existing antenna jack
	⊟ Earbud or speaker/mic/earbud
	⊟ Flashlight or headlamp and spare batteries for 12 hours
	⊟ Min. 25 feet of 50 Ohm coaxial cable
	⊟ Power cord adapters – connect HT to power sources
	⊟ Radio user manual or cheat sheet
	⊟ Safety vest, ANSI Class 2, safety yellow/lime yellow
	⊟ Spare fuses
⊟ Wallet	⊟ Amateur Radio license
	⊟ CA Driver's license or CA-issued ID card

3. Equipment
Getting to the Go Kit

1. One approach – think modular

2. Where are they when not in use?

3. Group like things

4. Consider size and bulk

Loc #1	Loc#2	Description
Car	Clothing	Hat (broad brim recommended)
	Lanyard	County Emergency Responder ID card or MAC badge
		If issued: SCCo ID badge, city badge, MAC Qual card
CarryBag	CB-Binder	DEC/ADEC and city EC telephone contact list
		ICS 205-SCCo – Communications Plan (min. 5)
		ICS 211A-SCCo – Communications Check-In (min. 5)
		ICS 213-SCCo – Message (min. 10)
		ICS 214-SCCo – Unit Activity Log (min. 5)
		ICS 309-SCCo – Communications Log (min. 5)
		ICS 314-SCCo – Windshield Survey (min. 5)
		Modified Mercalli (Mike-Mike) scale
		Police/Fire direct dial phone numbers
		SCCo Voice and Packet Frequency Lists
		Sign(s) for operating position
	CB-Main	2m/70cm dual-band handie-talkie (HT)
		Clipboard (covered type recommended)
		Notepads (standard or waterproof)
		Watch or clock
	CB-Pocket	At least 2 pens / pencils
		Money (paper and coin) – in case ATMs are down
		Phone message pad (2-part style recommended)
Garage	Clothing	Sturdy, closed-toe shoes (no sandals)
House	Clothing	Long pants (no shorts)
		Seasonal jacket / rain gear
	Cooler	Food for 12 hours (make your own list)
		Water for 12 hours (3-4 quarts recommended)
Iphone	Iphone	Compass or GPS
		Paper or offline maps covering all Santa Clara Co. [Note 3]
KnapSack	KS-Main	Min. 25 feet of 50 Ohm coaxial cable
		Safety vest, ANSI Class 2, safety yellow/lime yellow
	KS-Pocket	2m/70cm dual-band magnetic or window mount antenna
	Lighting Kit	Flashlight or headlamp and spare batteries for 12 hours
	Power Kit	Power cord adapters – connect HT to power sources
		Spare fuses
	Radio Bag	Radio user manual or cheat sheet
	Radio Support 1	Charged batteries for 12 hours (min. 3000 mAh) [Note 2]
		Earbud or speaker/mic/earbud
	Radio Support 2	Coax adapter: connect HT to coax
		Coax adapters: connect coax to existing antenna jack
Wallet	Wallet	Amateur Radio license
		CA Driver's license or CA-issued ID card

3. Equipment
Getting to the Go Kit

1. What about maps? Look at maps for your smart phone…

    • maps.me

    • GPS Navigation & Maps

Cupertino ARES/RACES

4. Knowledge
Type IV Credentialing

Radio Officer			Credential Requirements
Date	Call Sign	Initials	
			Equipment
			2-hour Carry Kit
			12-hour Go Kit
			Knowledge
			Demonstrate personal radio familiarity per Credential handbook

Personal Radio Familiarity

Configure radio to perform each of the following unaided:

1. Simplex without tone
2. Simplex with tone and tone squelch
3. Repeater with offset and CTCSS tone
4. Save configurations to and recall from memory
5. Lock keypad or mic controls, if so equipped
6. Full/factory reset (clear all settings) [explain only; demonstration not required]

Cupertino ARES/RACES

5. Participation
Type IV Credentialing

Radio Officer			Credential Requirements
Date	Call Sign	Initials	
			Participation (or equivalent, as determined by local jurisdiction RO)
			Min 8: Check into weekly city net
			Min 8: Monitor weekly SPECs or SVECS net
			Min 2: Radio oper duty at quarterly drills
			Min 1: Radio oper duty at approved functional or full-scale exercise
			Min 1: Radio oper duty at approved public service event or incident

Experience
We have a lot of leeway here on what drills and exercises will count.

NOTE: Along with existing MAC events, we have also loaded the following activities and have requested for SCC RACES recognition (and credit):
- CUP-19-100 OCT08 PSPS
- CUP-19-200 OCT26 PSPS
- CUP-18-35T Wildland Fire Threat Exercise
- CUP-18-34T Earthquake 2018 Exercise

Cupertino ARES/RACES

6, 7. Performance, Participation
Type IV Credentialing

Radio Officer			Credential Requirements
Date	Call Sign	Initials	
			Performance
			Functioned effectively & professionally with served agency
			Has maturity and experience to perform according to "SCCo ARES/RACES Performance Standards and Best Practices"
			Ongoing Participation
			Agree to minimum training and participation requirements

Cupertino ARES/RACES

How do we get there?
Type IV Credentialing

1. If you are a MAC, you are automatically a Type IV and a MAC, and have a year to complete the SEMS-G606 class (on-line).

2. New Members: Type IV is an expectation for membership

3. Existing Members: It is likely that many CARES members already qualify or are very close. Please complete the Type IV requirements within 1 year.

4. You are not alone… contact us if you need help!

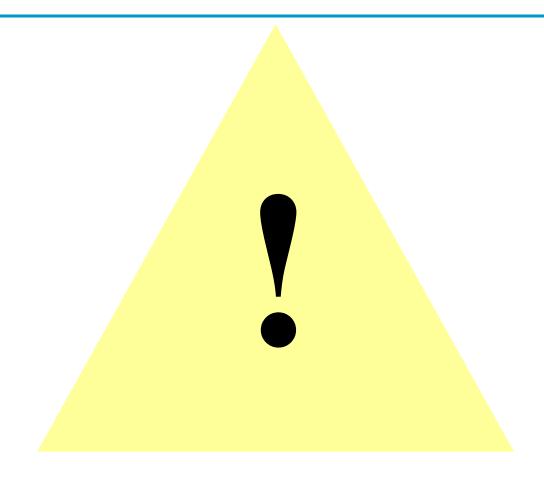And don't forget… we still need you to get your CARES Field Responder!

Final Thoughts

Q: What happens if I do not pursue a Type IV Credential?

A: You are still needed in CARES! Not having a Type IV may limit your assignment based on the needs of our Served Agencies.

Thank you

Any Questions?

Ref: IS-703.A: NIMS Resource Management

Ref: https://training.fema.gov/emiweb/is/is703a/student%20manual/unit%204%20sm.pdf